

Title (en)  
Welding gun of an arc welding device

Title (de)  
Schweißpistole eines Lichtbogenschweißgerätes

Title (fr)  
Pistolet soudeur d'un appareil de soudure à arc

Publication  
**EP 2487003 B1 20160928 (DE)**

Application  
**EP 12154570 A 20120208**

Priority  
DE 202011000296 U 20110209

Abstract (en)  
[origin: EP2487003A1] The gas nozzle for a welding gun of an arc welding machine, comprises a sleeve shaped wall (2) surrounding a passage channel (3), a connection end (4) having an internal thread (6) for connecting with the welding gun in the interior of the gas nozzle on the inner side of the wall, and a gas outlet end (5) arranged opposite to the connection end. A continuous, peripheral projection is formed on the interior side of the wall in the direction of the gas outlet end equipped behind the internal thread that furnishes a cross section reduced against the surrounding of the projection. The gas nozzle for a welding gun of an arc welding machine, comprises a sleeve shaped wall (2) surrounding a passage channel (3), a connection end (4) having an internal thread (6) for connecting with the welding gun in the interior of the gas nozzle on the inner side of the wall, and a gas outlet end (5) arranged opposite to the connection end. A continuous, peripheral projection is formed on the interior side of the wall in the direction of the gas outlet end equipped behind the internal thread that furnishes a cross section reduced against the surrounding of the projection. The projection in the cross-section passes in wedge- or truncated shaped manner with the wider basis at its internal side of the wall and is formed with the remaining wall in a single piece manner. The cross-section of the passage channel is reduced at the gas outlet end against a cross-section of the passage channel situated in the direction of the connection end. The passage channel conically tapers in the direction of the gas outlet end. A cylindrical shaped section of the passage channel is located near to the connection end, in which the projection is arranged. An independent claim is included for a welding gun of an arc welding machine.

IPC 8 full level  
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CPC (source: EP)  
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Cited by  
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